Edward Vincent Jr. Park Stormwater Improvements Project

Infrastructure Program

Fiscal Year 2022-2023

Central Santa Monica Bay Watershed Area

Project Lead: City of Inglewood

Presenter: Brenda Ponton, Woodard & Curran

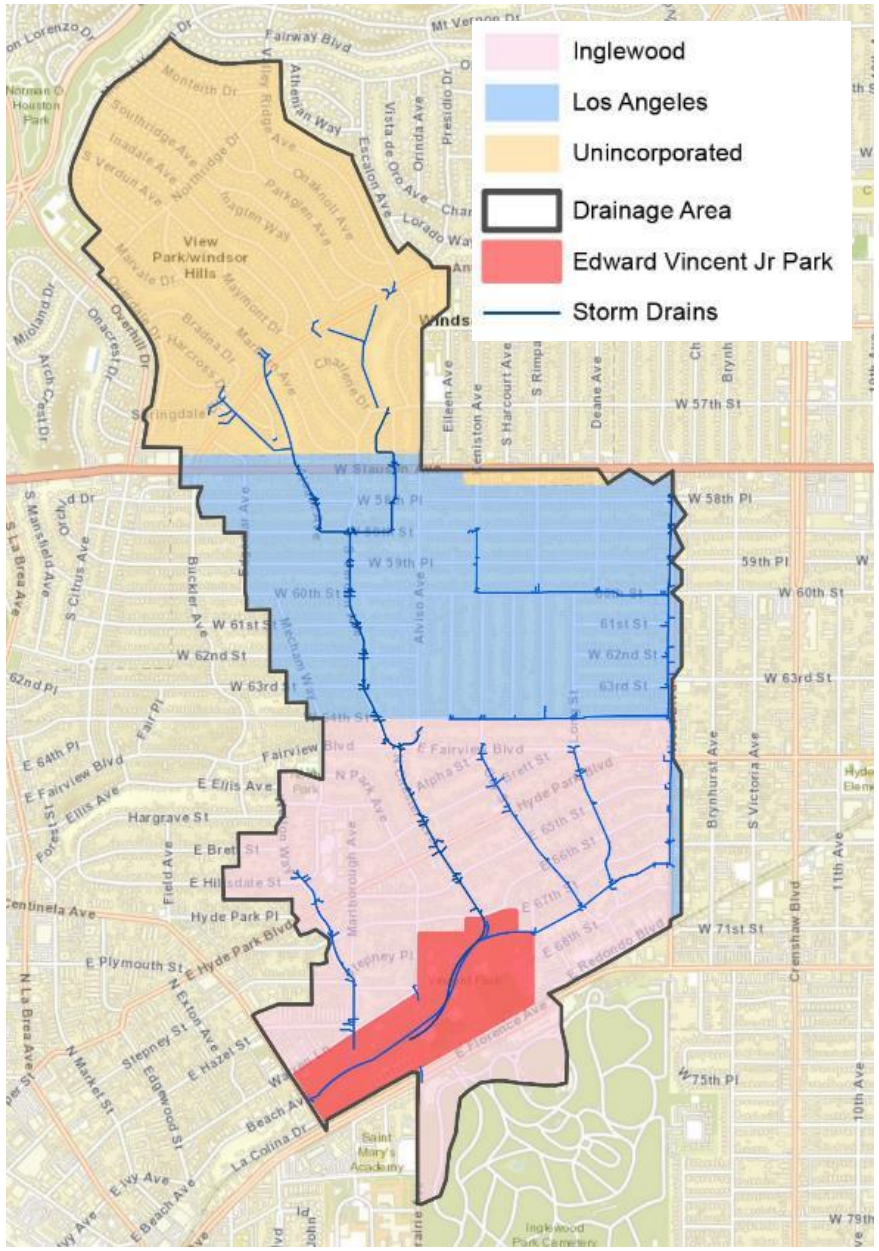
Project Overview

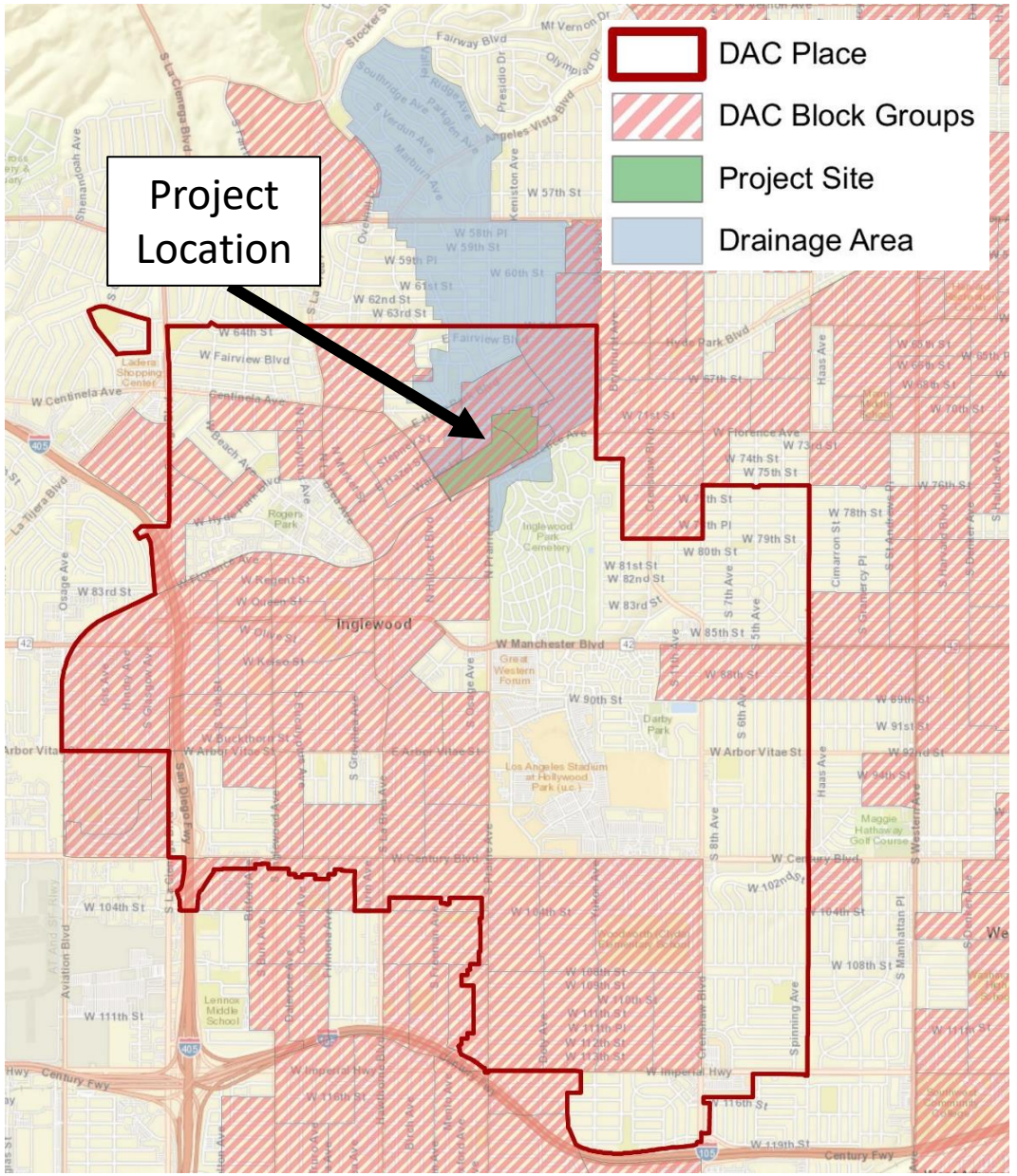
Multi-benefit stormwater improvements project at Edward Vincent Jr. Park in City of Inglewood using infiltration and bioretention best management practices.

- Primary Objective: Improve water quality
- Secondary Objectives: Provide community investments through enhancing park amenities and providing educational opportunities
- Project Status: Planning complete; Requesting Design Phase funding
- Total Funding Requested: $4,270,000

Project Location

Project Location



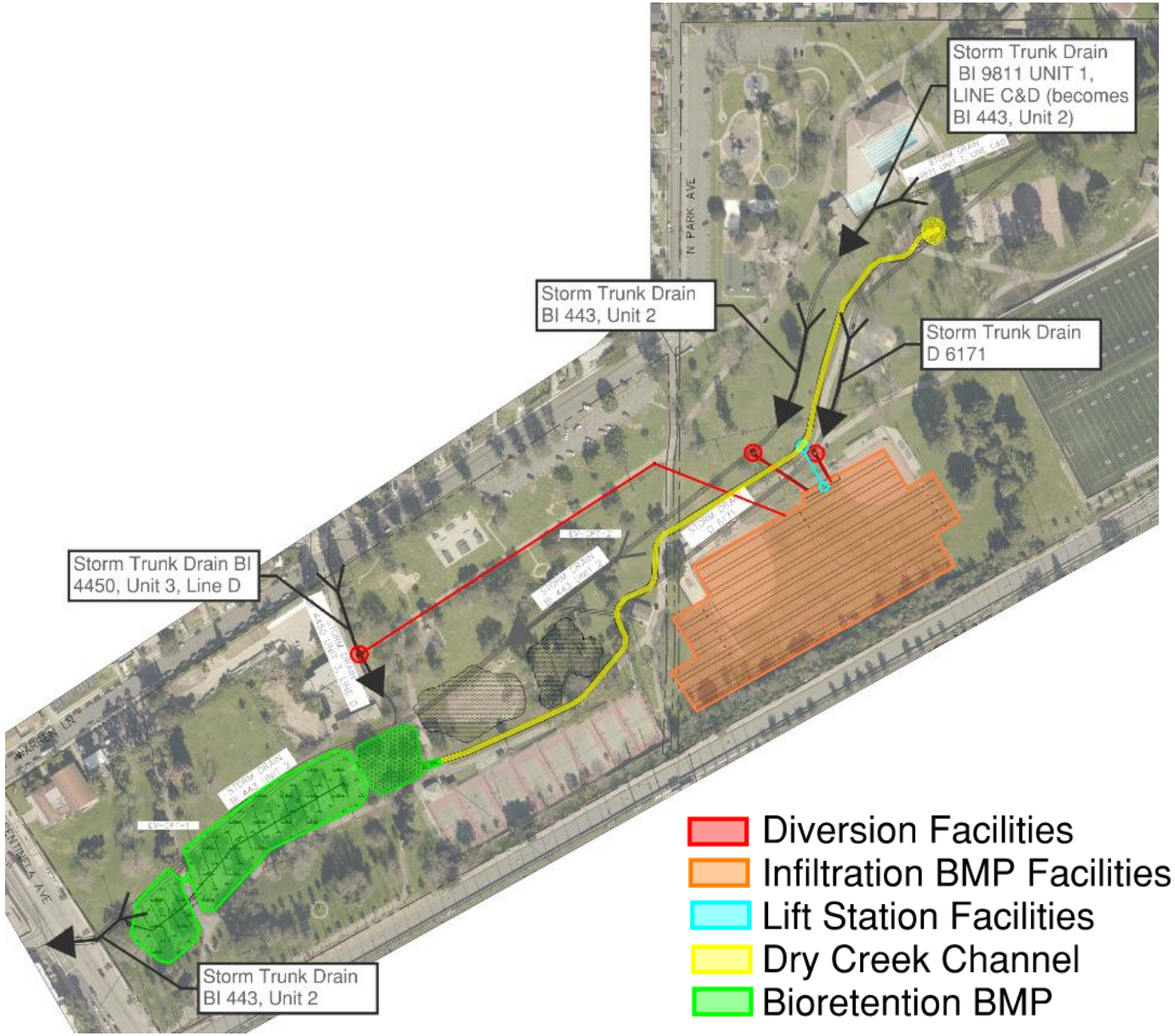


Project Background

- Project included as signature regional project in Ballona Creek Enhanced Watershed Management Program (EWMP)
- Captures 85th percentile, 24-hr storm volume for the 895-acre drainage area
- Water quality benefits:
  - Reduces metals, bacteria, and trash in the Centinela Creek and Ballona Creek Estuary
- Community benefits:
  - Vegetation and shade trees
  - Reintroduction of historical creek feature
  - Enhanced recreational opportunities (e.g., new trails, new field)
  - Public safety through addressing daylighted portion of the storm drain
  - Educational opportunities for local schools and park visitors
- Park improvements will directly benefit the local disadvantaged community

Project Details

- Concept includes:
  - 3 diversions
  - Infiltration gallery
  - Small lift station
  - Dry creek channel
  - Bioretention area with trash capture and sediment forebay
- Geotechnical investigations completed during the Feasibility Study



Project Details

- Additional surface improvements:
  - New field
  - Native vegetation
  - Shade trees
  - New trails
  - Boardwalk
  - Seating areas
  - Educational signage

Cost & Schedule

Phase	Description	Cost	Completion Date
Design	Agency Project Management, CEQA Documentation, Permitting, Design (30/60/90/100), Pre-Construction Monitoring, Outreach During Design	$4,270,000	06/2025
Construction	Project Management, Construction Management, Engineering Services during Construction, Outreach, Project Construction	$42,424,000	03/2028
TOTAL		**$46,694,000**	

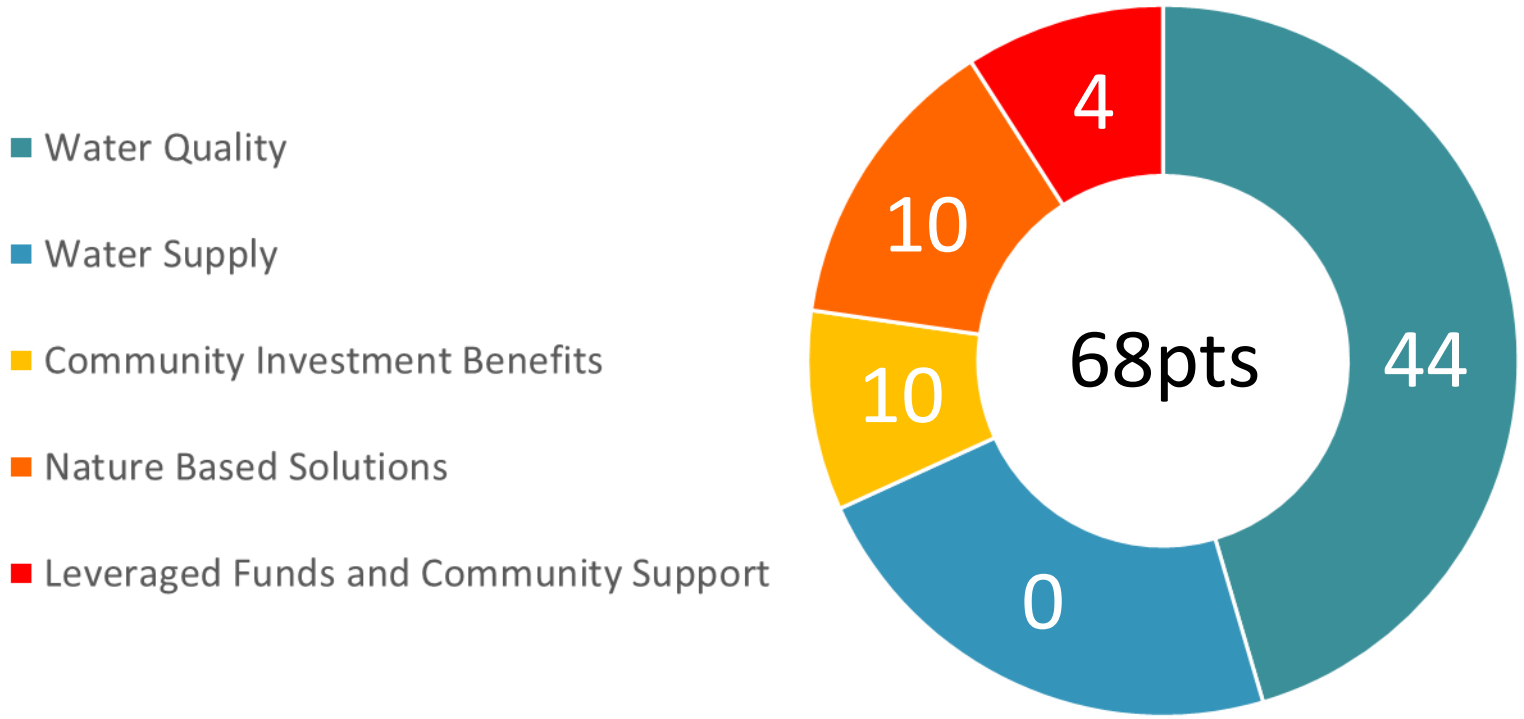
- Annual O&M: $819,920
- Post-Construction Monitoring (3 years): $329,700
- Project Lifespan: 50 years
- Lifecycle Cost: $66.5M

Funding Request

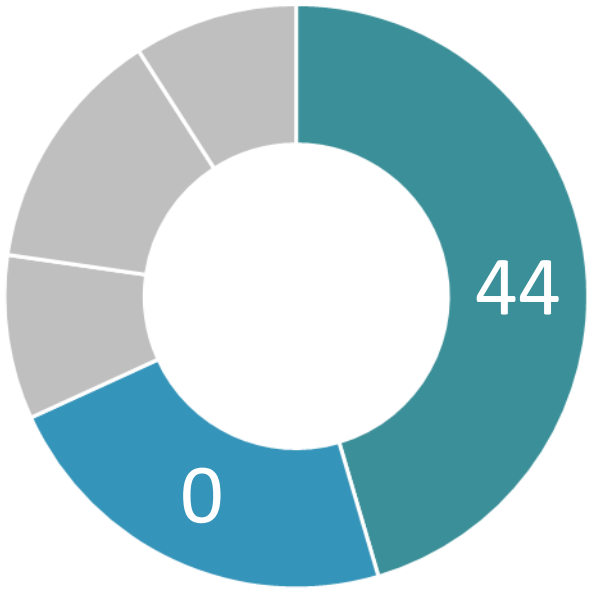
Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	$1,035,000	Design	Pre-Construction Monitoring, Outreach During Design, Preliminary (30%) Design, Agency Project Mgmt.
2	$2,610,000	Design	Pre-Construction Monitoring, Outreach During Design, CEQA Documentation, 60% Design, 90% Design, Agency Project Mgmt.
3	$625,000	Design	Pre-Construction Monitoring, Outreach During Design, 100% Design, Permitting
TOTAL	**$4,270,000**		

- Future Safe, Clean Water Program funding request anticipated for Construction Phase

Preliminary Score

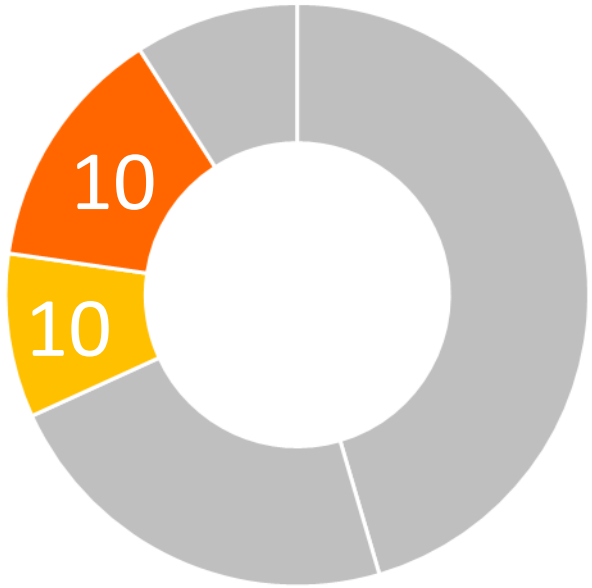


Water Quality & Water Supply Benefits



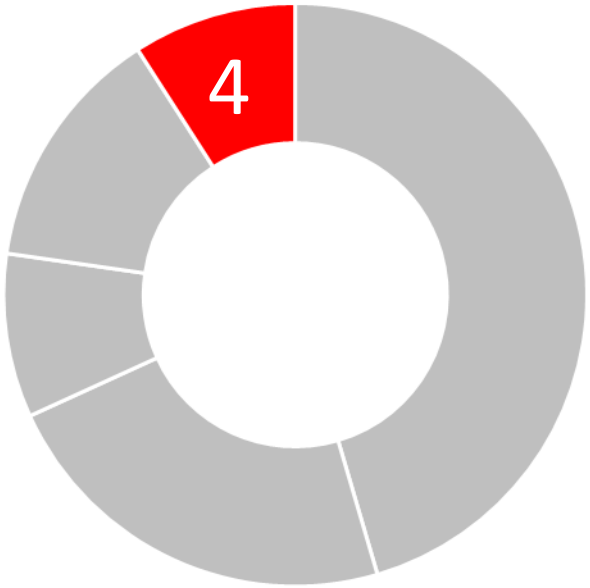
- Primary Mechanisms: Infiltration and bioretention
- Wet Weather
- Tributary Area: 895 acres
- 24-hr Capacity: 34.3 acre-feet
- Water Quality Cost Effectiveness: 0.81
- Long-Term Pollutant Reduction:
  - 86.2% load reduction in Zinc (197 lbs)
  - 84.5% load reduction in *E. coli* (1.99e+14)
- Annual Water Supply Volume: N/A

Community Investment Benefits and Nature Based Solutions



- Community Investment Benefits
  - Improves flood management
  - Enhances parks and creates habitat
  - Improves public access to waterways
  - Enhances and creates new recreational opportunities
  - Reduces heat island effect/increases shade
  - Increases trees and native vegetation
- Nature Based Solutions
  - Mimics natural processes to slow, detain, capture, and infiltrate water in a manner that protects and enhances habitat and usable open space
  - Utilizes natural materials including soils and native vegetation

Leveraging Funds and Community Support



- Leveraging Funds
  - No funds leveraged for Design Phase
- Community Support
  - Strong community support demonstrated through support letters
  - Outreach is planned for initial stages of design to engage community on park amenities concepts
  - Outreach and engagement plan includes:
    - Community engagement events
    - Surveys, flyers, and posters
    - Webpage development
    - Social media postings and newsletter updates


Questions?